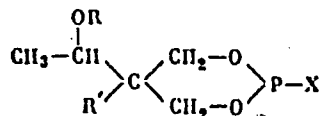


L 37214-66

ACC NR: AP6015390

2

triethylamine into the new compound 2-methoxy-5-isopropyl-5- α -isopropoxyethyl-1,3,2-dioxaphosphorinane (VI). The formula of 2-substituted 5-alkyl-5- α -alkoxyethyl-1,3,2-dioxaphosphorinanes is



Authors are grateful to B. A. Arbuzov and L. V. Nesterov for assistance in this work.
Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 14Jan65/ ORIG REF: 003

Card 2/2

ZHURAVIEVA, L.P.; BUTOVA, G.L.; KIRSANOV, A.V.

Palmitates and stearates of trimethylphosphine oxide. Zhur.
ob. khim. 35 no.6:996-998 Je '65. (MIRA 18:6)

1. Institut organicheskoy khimii AN UkrSSR.

BUTOVA, G.V., kand.tekhn.nauk, dotsent

Development of the lines of intersection between a parabolic
cylinder, a circular cylinder, and a plane. Izv. LETI 57
no.39:264-270 '59. (MIRA 15:10)

(Projection)

DVADTSATOVA, Ye.A.; BUTOVA, S.N.

Effect of the concentration of hydrogen ions on the activity of the amylolytic enzymes of the immersion culture of *Aspergillus oryzae* 3-9-15. *Ferm. i spirt. prom.* 31 no.3:4-5 '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti.

L 34126-66 EWT(1)/EWT(m)/EWP(j) DS/RO/RM
 ACC NR: AP6025538 SOURCE CODE: UR/0079/66/036/001/0161/0161
 AUTHOR: Bogatskiy, A. V.; Kolesnik, A. A.; Butova, T. D.
 ORG: Odessa State University im. I. I. Kochnikov (Odesskiy gosudarstvennyy universitet;
 TITLE: Use of the anion-exchange resin AV-17 as a catalyst in the synthesis of organophosphorus compounds 39
 SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 161 B
 TOPIC TAGS: anion exchange resin, organic chemistry, phosphorus compound, catalysis
 ABSTRACT: An attempt was made to replace catalysts with the anion-exchange resin AV-17 in the OH form in the synthesis of disubstituted derivatives of 5-alkyl-5-alpha-alkoxyethyl-1,3,2-dioxaphosphorinanes. 2-Chloro-5-methyl-5-alpha-methoxyethyl-1,3,2-dioxaphosphorinane was synthesized in 85% yield by the reaction of 2-methyl-2-alpha-methoxyethylpropanediol-1,3 with phosphorus trichloride in the presence of the AV-17 resin in the OH form under normal conditions, while the same reaction in the presence of pyridine or other amines gave only 30-40% yields. Use of the resin AV-17 as a catalyst increases the yield of the organophosphorus compounds, facilitates their purification, and permits reuse of the regeneratable catalyst. This is the first time that the use of an anion-exchange resin as a catalyst in the synthesis of organophosphorus compounds has been proposed. [JPRS: 35,998]
 SUB CODE: 07 / SUBM DATE: 12Jul65 / ORIG REF: 003
 UDC: 661.718.1 0726

BUTOVA, Ye. P.

Dissertation: "Lithological Characteristics and Conditions for the Formation of the Industrial Part of the Coal-Bearing Deposits of Ekibastuz Region." Cand Geol-Min Sci, Department of Geologico-Geographical Sciences, Acad Sci USSR, Leningrad, 1953. Referativnyy Zhurnal--Geologiya, Geografiya, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

BUTOVA, Ye.P.

Lithological characteristics and formation of the coal-bearing strata
of the Ekibastuz Carboniferous deposits. Trudy Lab.geol.ugl. no.2:271-
281 '54. (MIRA 8:7)

(Ekibastuz--Coal geology)

VOLKOVA, I.B.; NALIVKIN, D.V.; SLATVINSKAYA, Ye.A.; BOGOMAZOV, V.M.;
 GAVRILOVA, O.I.; GUREVICH, A.B.; MUDROV, A.M.; NIKOL'SKIY, V.M.;
 OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG,
 M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER,
 A.A.; MAKEDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN,
 V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.;
 KONIVETS, V.I.; MARKOVICH, Ye.M.; MOKRINSKIY, V.V.; PROSVIRYAKOVA,
 Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA,
 Ye.P.; VERBITSKAYA, Z.I.; DZENS-LITOVSKAYA, O.A.; DUBAR', G.P.;
 IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.;
 POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.;
 SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV, M.V.;
 GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I.,
 red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I.,
 red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

[Atlas of maps of coal deposits of the U.S.S.R.] Atlas kart ugle-
 nakoplenia na territorii SSSR. Glav. red. I.I.Gorski. Zam.
 glav. red. V.V.Mokrinski. Chleny red. kollegii: F.A.Bochkovski
 i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 p.

(MIRA 16:3)

1. Akademiya nauk SSSR. Laboratoriya geologii uglya. 2. Chlen-
 korrespondent Akademii nauk SSSR (for Muratov).

(Coal geology--Maps)

KARPOV, N.F.; KOLASNIKOV, Ch.M.; KONIVETS, V.I.; BUTOVA, Ye.P.;
NEFED'YEVA, L.P.; POMERANTSEVA, A.A.

History of Upper Mesozoic coal accumulations in the Buryat
A.S.S.R. Trudy Lab. geol. ugl. no.18:3-218 '63 (MIRA 18:1)

BUTOVETSKIY, L.D.

Effect of electronarcosis on the thermoregulation reflex and
on the electric resistance of the skin in patients with
pruritus] Vest.derm. i ven. 34 no.11:19-21 N '60.

(MIRA 13:12)

1. Iz kliniki kozhnykh bolezney (zav. - prof.B.S.Yablenik
[deceased]) Orenburgskogo meditsinskogo instituta (direktor -
dotsent S.S.Mikhaylov).

(BODY TEMPERATURE)

(PRURITUS physiol.)

(SKIN physiol.)

(ELECTRONARCOSIS)

"APPROVED FOR RELEASE: 06/09/2000

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BUTOVETSKY, V. S.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307730011-9"

Butovetskiy, V.S.

AUTHOR: Voronov, K.D. and Butovetskiy, V.S. (Chumkovsk Ts.O.F.)
TITLE: A rational scheme for joining vacuum pumps and blowers¹⁵⁰
of the RMK type for the filtration of flotation concentrates.
(Ratsional'naya skhema podklyucheniya vacuum-nasosov i
vozdukhoduvok tipa RMK dlya fil'tratsii flotokontsetratov.)
PERIODICAL: "Koks i Khimiya" (Coke and Chemistry),
1957, No. 2, pp. 58 - 59, (U.S.S.R.)
ABSTRACT: The layout of flotation equipment carried out in the
Chumkovsk Ts.O.F. and its later modification are outlined.
There are 2 diagrams.

BUTOVETSKIY, V.S.; KURENKOVA, L.Ya.

Modernization of flotation machines of type "52" designed by the State Institute for the Design and Planning of By-Product Coking Plants. Koks i khim. no.4:54-56 '61. (MIRA 14:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut Ugleobogashcheniye (for Butovetskiy), 2. Yasinovskiy koksokhimicheskiy zavod (for Kurenkova). (Coal preparation—Equipment and supplies) (Flotation)

FOMENKO, T.G.; BUTOVETSKIY, V.S.; VOLODIN, A.V.; MAMCHITS, G.O.

Increasing the output capacity of vacuum filters at coal preparation plants. Koks i khim, no.18:11-15 '61.

(MIRA 15:2)

1. Institut UkrNIIUgleobogashcheniye (for Fomenko, Butovetskiy).
2. Voroshilovskiy koksokhimicheskiy zavod (for Volodin, Mamchits).
(Coal preparation plants—Equipment and supplies)
(Filters and filtration)

BUTOVETSKIY, V.S.; PILYASOV, F.L.

Introduction and practical use of polyacrylamide for the
flocculation of circulating water slurry. Koks i khim. no.2:3-8
'62. (MIRA 15:3)

1. UkrNIIUgleobogashcheniye (for Butovetskiy). 2. Gorlovskiy
koksokhimicheskiy zavod (for Pilyasov).
(Coal preparation) (Acrylamide)

FOMENKO, T.G.; FOGARTSEVA, Ye.M.; KOTKIN, A.M.; BUTOVETSKIY, V.S.

Selecting the systems for the purification of contaminated water.
Koks i khim. no.7:17-22 '65. (MIRA 18:8)

1. Ukrainskiy proyektno-konstruktorskiy i nauchno-issledovatel'skiy
institut po obogashcheniyu i briketirovaniyu ugley.

MBL'NIK, S.M.; BUTOVICH, A.A.

New labeling machine for glass containers. Kons. i ov. prom.
14 no.11:16-17 N '59. (MIRA 13:2)

1. Simferopol'skoye spetsial'noye konstruktorskoye byuro prodovol'stven -
nogo mashinostroyeniya.

(Labeling machines) (Glass containers)

BAZILEVICH, B.V.; BUTOVICH, A.A.

NU-1 automatic feeder. Kons.i ov.prom. 15 no.3:13-16 Mr '60.
(MIRA 13:6)

1. Simferopol'skoye spetsial'noye konstruktorskoye byuro
prodovol'stvennogo mashinostroyeniya.
(Simferopol'--Canning industry--Equipment and supplies)

BUTOVICH, A.A.

New bucket type blancher. Kons. i ov.prom. 18 no.10:3-5 0 '63.
(MIRA 16:11)

1. Simferopol'skoye spetsial'noye konstruktorskoye byuro prodo-
vol'stvennogo mashinostroyeniya.

DEMISHEV, G.K.; BUTOVICH, I.N.; KOLBASNIKOVA, A.I.; GALDINA, N.M.

Gamma-graphic control of internal defects in fused refractories.
Ogneupory 27 no.6:288-292 '62. (MIRA 15:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stekla.
(Gamma rays--Industrial applications)
(Refractory materials--Defects)

S/081/62/000/023/065/120
B180/B144

AUTHORS:

Demishev, G. K., Butovich, L. N., Kolbasnikova, A. I.,
Galdina, N. M.

TITLE:

Co⁶⁰ gamma ray detection of internal defects in certain
electrically fused refractories during manufacture

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 23, 1962, 489, abstract
23K375 (Steklo. Byul. Gos. n.-i. in-ta stekla, no. 4 (113),
1961, 15-24)

TEXT: The article describes a method for the systematic quality control of
electrically produced refractories. Flaws and other cavities are detec-
ted by means of hard gamma-radiation from the isotope Co⁶⁰, using a wide
beam and X-ray photography. Experimental work indicates the possibility
of using this "gamma-ray" flaw detection on refractories of the "bakor-33"
type. [Abstracter's note: Complete translation.] ✓

Card 1/1

15176-63
 EWT(1)/ENP(q)/EWT(m)/BDS/ES(s)-2 AFPTC/ASD/ESD-3/SSD
 WH
 ACCESSION NR: AR3003334 S/0058/63/000/005/E012/E012 73
 SOURCE: RZh. Fizika, Abs. 5E72
 AUTHOR: 'Brekhovskikh, S. M.; Demishev, G. K.; Butovich, L. N.
 TITLE: Change of elastic and dielectric properties of glass induced by gamma irradiation
 CITED SOURCE: Steklo. Byul. Gos. n.-i. in-ta stekla, no. 3(116), 1962, 14-17
 TOPIC TAGS: gamma irradiation, glass, elastic property, dielectric property,
 TRANSLATION: When glass is irradiated with gamma rays, an increase is observed in the modulus of longitudinal elasticity E and in the shear modulus μ . This can be attributed to the healing of the defects of the glass structure by the diffusion of the modifier atoms. Annealing has a similar influence on the change in the elastic parameters. The tangent of the angle of the dielectric losses and the dielectric constant also increase during the irradiation process. This is probably connected, like the coloring of the specimens upon irradiation, with ionization processes in the glass. O. Mazurin
 DATE ACQ: 17Jun63 SUB CODE: PH ENCL: 00
 Card 1/1

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EPF(c)/EPF(n)-2/ENH(1)/ENH(1)/ENH(1)

CG/RM/TH

ACCESSION NR: AR3010294

S/0081/63/000/012/0475/0475

SOURCE: RZh, Khimiya, Apr. 12M100

L 20711-65

ACCESSION NR: AR0010294

Card 44

[illegible]

C. A. BUTOVICH, N. A.

Gumbrin as dehydrating catalyst. N. A. Butovich (Aristekov Inst., Azerbaijan, U.S.S.R.). *Zh. Prikl. Khim.* (J. Applied Chem.) **23**, 221-2 (1950). Iso-AmOH was dehydrated on gumbrin at 380-400°. In 2 hrs., at a feed rate of 2-3 drops/sec., with a catalyst layer 10 cm. long in a tube of 15 mm. diam., 100 g. iso-AmOH gave 20 g. H_2O and 80 g. dehydration products fractionated into: b. <24°, $Me_2CHCH:CH_2$ (5%); 30-4°, mainly methylethylethylene (38%); 34-50° (20%); residue and losses 34%. Under the same conditions, on Al_2O_3 , the yield was 8-12% $Me_2CHCH:CH_2$. The sp. catalytic efficacy of gumbrin was confirmed by a blank expt. with ground glass, which gave a neg. result.

N. Thon

CA BUTOVICH, N. A.

Investigation of gumbrin as a dehydrating catalyst.
N. A. Butovich (Azizbekov Inst., Azerbaidzhan). *J.*
Applied Chem. U.S.S.R. 23, 227-8(1950) (Engl. translation).—See *C.A.* 45, 640d.
B. L. M.

BUTOVICH, N.A.

Oil field paraffin of the Tatar A.S.S.R. Report No.1. Trudy
KKHTI no.26:3-6 '59. (MIRA 15:5)
(Tatar A.S.S.R.—Paraffins)

BUTOVICH, N.A.

Some preliminary data on the heavy residues of petroleum refining.
Trudy KKHTI no.26:7-14 '59. (MIRA 15:5)
(Petroleum—Analysis)

BUTOVICH, N.A.; GANEYEVA, M.I.

Dewaxing of diesel fuels with an aqueous solution of carbamide.
Izv.vys.ucheb.zav.; neft' i gaz 4 no.7:75-78 '61. (MIRA 14:10)

1. Kazanskiy khimiko-tekhnologicheskii institut im. S.M.Kirova.
(Diesel fuels) (Urea)

AUTHORS: Dutovich, N. A.; Guriyanova, V. I.

TITLE: Copolymerization of isobutylene with styrene in the presence of titanium
trichloride

"APPROVED FOR RELEASE: 06/09/2000

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APPROVED FOR RELEASE: 06/09/2000

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NOVICHKOV, S. [Novychkov, S.]; BUTOVICH, O. [Butovych, O.]; SERDYUK, Ya.
[Serdiuk, IA.]

Efficiency experts suggest. Sil'.bud. 13 no.10:17-18 0 '63.

(MIRA 17:3)

1. Glavnyy inzh. Nikolayevskoy oblastnoy mezhkolkhoznoy stroitel'-noy organizatsii (for Novichkov).
2. Starshiy inzh. Nikolayevskoy oblastnoy mezhkolkhoznoy stroitel'noy organizatsii (for Butovich).
3. Glavnyy mekhanik Nikolayevskoy oblastnoy mezhkolkhoznoy stroitel'noy organizatsii (for Serdyuk).

BUTOVICH, V.M.

New type of printing machine (from materials in "Moniteur Textile,"
no.3, 1956). Tekst.prom. 16 no.11:66-67 N '56. (MLRA 9:12)
(Portugal--Textile printing)

BUTOVICH, V.M.

Rugs with a sewed-on pile (from foreign journals), Tekst. prom.
17 no. 5:63-65 My '57. (MIRA 10:6)
(United States--Rugs)

BUTOVICH, V.M.

Dyeing and finishing rugs with a stitched rayon pile (from "American
Dyestuff Reporter" no.18, 1955). Tekst. prom. 17 no.8:60-61 Ag '57.
(Dyes and dyeing--Rayon) (United States--Rugs) (MLRA 10:9)

BUTOVICH, V.M.

BUTOVICH, V.M. [translator]

New cable yarn twisting machines (from "American Textile
Report" no. 46 1955). Translated by V.M. Butovich. Tekst.
prom. 17 no.12:57 D '57.

(MIRA 11:1)

(United States--Textile machinery)

BUTOVICH, V.M.

Brief textile dictionary in five languages. Compiled by V. Faberkevich.
Reviewed by V.M. Butovich. Tekst. prom. 18 no. 3:63 Mr '58.
(Textile industry--Dictionaries--Polyglot) (MIRA 11:3)
(Faberkevich, V.)

BUTOVICH, V.M.

Spinning equipment abroad, Biul.tekh.-ekon.inform.
no.7:87-92 '60. (MIRA 13:7)
(Spinning machinery)

BUTOVICH, V.M.

use of glass fibers in textile manufacture. Tekst.prom. 20 no.7:
79-80 J1 '60. (MIRA 13:7)

(Glass fibers)

BUTOVICH, V.M.

New developments in the manufacture of tufted carpets. Tekst.
prom. 20 no.8:69-71 Ag '60. (MIRA 13:9)
(Carpets)

RABINOVICH, Zelik Yefimovich, inzh.; Prinyali uchastiye: BUTOVICH, V.M.,
inzh.; LUPANDIN, K.K., inzh.-ekonom.; FEDOROV, V.I., inzh.;
CHETYRKINA, Ye.N., prepodavatel'nitsa; SOBOLEV, E.A., nauchn.red.;
KRASNOBORODSKAYA, L.L., red.; BOGATOVA, V.N., red.-leksikograf;
YURCHENKO, D.I., red.-leksikograf; BRUDNO, K.F., tekhn. red.

[English-russian textile dictionary] Anglo-russkii tekstil'nyi
slovar'. Izd.2., perer. i dop. Pod red. K.K.Lupandina. Moskva,
Glav. red. inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961.
640 p. (MIRA 14:8)

1. Moskovskiy tekstil'nyy institut (for Chetyrkina).
(Textile industry—Dictionaries)
(English language—Dictionaries—Russian)

BUTOVICH, V.M. [translator]; PAKSHVEN, A.B., red.

Production of twisted viscose fiber (From "Man-Made Textiles,"
no.442, 1959). Khim.volok. no.1:77 '61. (MMA 14:2)
(Rayon)

BUTOVICH, V.M.

New spinning machinery in Japan. Biul.tekh.-ekon.inform. no.6:87-91
'61. (MIRA 14:6)
(Japan--Spinning machinery)

BUTOVICH, V.M.

Application of radioisotopes in foreign countries. Tekst.
prom. 21 no.2:80-81 Ja '61. (MIRA 14:3)
(Textile research) (Radioisotopes--Industrial applications)

BRUCE, V.M.

Brief review of the new developments in foreign technology.
Tekst. prom. 21 no.10:25-87 0 '61. (MIRA 14:10)
(Textile industry--Technological innovations)

BUTOVICH. Vasil'y Mikhaylovich, inzh.; VILLEMSON, Khenrik
Iokhanesovich, inzh.; KORZINKIN, Nikolay Sergeyevich, inzh.;
MUSHNIR, Saveliy Abramovich, kand. tekhn. nauk; LUR'YE,
Aleksandr Yevseyevich, kand. tekhn. nauk; POSTNIKOVA, K.P.,
prepodavatel'nitsa; KHOTIMSKIY, P.M., red.; PRUDNO, K.F., tekhn.
red.

[France-Russian textile dictionary] Frantsuzsko-russkii tekstil'-
nyi slovar'. [By] V.M.Butovich i dr. sostaviteli. Moskva, Fiz-
matgiz, 1962. 462 p. (MIRA 15:7)

1. Moskovskiy tekstil'nyy institut (for Postnikova).
(Textile industry--Dictionaries)

BUTOVICH, V.M.: BELKINA, N.N., nauchn. red.

[Machine harvesting of cotton and its first processing;
review of foreign patents] Mashinnyi sbor khlopka i ego
pervichnaya obrabotka; obzor inostrannykh patentov. Mo-
skva, TSentr. nauchno-issl. in-t patentnoi informatsii i
tekhniko-ekon. issledovaniy, 1964. 31 p. (MIRA 18:6)

TRAPEZNIKOV, A.I.; CHUKIN, S.A.; BEDRIN, V.A.; KOZYREV, D.I.;
BUTOVSKAYA, A.P.; YARKOVA, D.A.

Automation and mechanization of auxiliary operations in
metalworking. Prom. energ. 17 no.11:10-11 N '62. (MIRA 15:12)
(Metalworking machinery)

BUTOVSKAYA M.A.
VOL'POVICH, M.I.; BUTOVSKAYA, M.A.

Treatment and prevention of otitis in scarlet fever. Vest. otorinolar.,
Moskva 14 no.1:37-39 Jan-Feb 52. (CJML 21:4)

1. Professor. 2. Saratov. ...

BUTOVSKAYA, Svetlana Georgiyevna; MALKOVA, I., red.; NIKOLAYEVA, T.,
tekh.n.red.

[Kaliningrad; an illustrated study] Kaliningrad; illiustri-
rovannyi ocherk. Kaliningrad, Kaliningradskoe knizhnoe izd-vo,
1959. 65 p. (MIRA 12:11)
(Kaliningrad)

COMMON ELEMENTS										RARE EARTH ELEMENTS										METALS										NON-METALS										GASES										LIQUIDS										SOLIDS																																							
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BUTOVSKAYA, V.A.

Field technique for carrying out flattening tests for soil consistency.
Trudy NII osn. i fund. no.11:48-62 '48. (MLRA 7:11)
(Soils--Testing)

BUTOVSKAYA, V.A., kand.tekhn.nauk

~~Applicability to clay soils of the hypothesis of constant volume~~
in plastic deformation. [Trudy] NIIOSP no.33:70-76 '58. (MIRA 11:9)
(Clay--Testing) (Soil mechanics)

BUNE, V.I.; BUTOVSKAYA, Ye.M.

Hodograph and structure of the earth's crust in Central Asia based on
recordings of powerful explosions. Trudy Geofiz. inst. no. 30:142-153 '55.
(Soviet Central Asia--Seismology) (MIRA 9:6)

..BUTOVSKAYA, Ye. M.

USSR/Physics of the Earth - Seismology, 0-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36381

Author: Butovskaya, Ye. M., Gross, I. Ch.

Institution: None

Title: Frequency Spectrum of Seismic Waves for Central Asia

Original

Periodical: Meteorol. i godrol. v Uzbekistane, Tashkent, AN UzSSR, 1955,
297-308

Abstract: Using instrument data on earthquakes and explosions, a determination was made of the predominant periods T_n of seismic oscillations for Central Asia. The records were analyzed using methods of frequency characteristics, periodogram analysis, and harmonic analysis. Within the one to 12 second range (instruments of Academician Golitsyn) the predominant periods in longitudinal waves are 1, 1.5, 1.7, and 6 seconds, and sometimes also 3 seconds, and in transverse waves the predominant waves are 1.7, 3, and sometimes 6 seconds. The ratio of the consecutive values of T_n for transverse waves to

Card 1/3

USSR/Physics of the Earth - Seismology, 0-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36381

Abstract: those in the same order of T_n for longitudinal waves is close to $\sqrt{3}$, i.e., to the velocity ratio of these waves. The change in the epicentral distance within the range of 140-500 km does not effect T_n . The type of the focus does not affect the period, but changes the sharpness of the maximum. According to these features, the foci of Central Asia produce 5 types of recordings; the records and graphs are given for 3 types: (1) weak repeated shocks of strong earthquakes (foci close to the surface); (2) strong earthquakes in northern Tadzhikistan and in the Fergana valley; (3) foci of the Chatkal'skiy range. In the region of 0.1 to one second (instruments of D. P. Kirnos), T_n lies in the 0.25-0.40 and 0.65-0.8 second ranges for longitudinal waves, and in the 0.35-0.40 and 0.7-0.9 second ranges for the transverse waves. Within the 20-230 km range, the epicentral distance does not affect T_n . During explosions, the 0.35-second period predominates, and does not change as the charge varies from 40 to 2,300 t. The records of explosions by mechanical seismographs are affected by the ground conditions. It is the opinion of the author that vibrations with small values of T_n are due to the presence of loess deposits, and all other T_n

Card 2/3

USSR/Physics of the Earth - Seismology, 0-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36381

Abstract: are caused by thicker layers of the earth's crust. Small values of T_n are replaced by large ones when there is a very sharp increase in the force of the source. The laws observed for T_n during explosions are in sharp contradictions with the results obtained by M. A. Sadovskiy (Tr. seysmol. in-ta AN SSSR, 1940, No 106).

Card 3/3

SOV/533A

PHASE I BOOK EXPLOITATION

Abadziya nauk SSSR. Institut fiziki Zemli

Voprosy inzhenernoy seismologii, vyp. 3 (Problems in Engineering Seismology, No. 3) Moscow, 1960. 191 p. 1,700 copies printed. (Series: Ita: Trudy, no. 10 (177))

Resp. Eds.: S.V. Medvedev, Doctor of Technical Sciences, and A.Z. Kats, Candidate of Physics and Mathematics; Ed. of Publishing House: L.K. Nikolayev, Tech. Ed.: P.B. Kashina.

PURPOSE: This book is intended for seismologists, and engineers concerned with the construction of earthquake-resistant buildings.

CONTENTS: This is a collection of 15 articles by different authors on problems of engineering seismology. Individual articles discuss the effects of quakes on various structures; seismic activity in the Soviet Union, Kazakhstan, Kyrgyzstan, and Tadzhikistan; regional and ground vibrations during strong earthquakes. One article discusses the effect of the detonation of 300 tons of explosives on buildings located 1000 m away. No personalities are mentioned. Each article is accompanied by references.

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Bukharina, Ye. M., N.A. Predenshina, V.K. Iodko, N.V. Kondratyeva, P.G. Semenov, A.M. Reshet, V.I. Ushakov, and A.D. Yakhimov. Bulletin of Strong Earthquakes in the USSR During 1957

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Kats, A.Z. Seismic Microregionalization of the Bocki-Kheta Zone

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AVAILABLE: Library of Congress

Card 4/4

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(14)

BUTOVSKAYA, Ye.M.; KON'KOV, A.T.; NERSESOV, I.L.; PAK, V.A.;
TROSTYANSKIY, G.D.; ULOMOV, V.I.; SOKOLOVA, A.A., red.;
GOR'KOVAYA, Z.I., tekhn.red.

[Seismism of Uzbekistan] Seismichnost' Uzbekistana. Tashkent,
Izd-vo Akad.nauk Uzbekskoi SSR. Vol.1. [The Fergana Valley]
Ferganskaia dolina. 1961. 97 p. (MIRA 15:5)

1. Akademiya nauk Uzbekskoy SSR. Institut matematiki.
(Fergana--Seismology)

S/166/62/000/002/002/008
B112/B104

AUTHORS: Butovskaya, Ye. M., Ulomov, V. I., Dzhunisov, Sh. A.,
Atabayev, Kh. A., Flenov, Yu. P., Yakovlev, V. N.

TITLE: Specific hodographs of powerful blasts recorded in parts
of Uzbekistan

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya
fiziko-matematicheskikh nauk, no. 2, 1962, 34-41

TEXT: Data on powerful blasts recorded in the central Asiatic districts of Pritashkent and Fergansk are evaluated. Durations of the seismic waves are related in the usual way to uniform standard conditions and their phases identified by the following procedure: (1) Determining the angle of departure of seismic radiation. (2) Correlating the respective seismograph records. (3) Plotting the amplitude curves. The phase identification is followed by composing a universal hodograph for all types of longitudinal and transverse waves and this is decomposed into its basic branches. In addition, the specific hodographs presented here are derived for the districts under consideration. There are 5 figures

Card 1/2

Specific hodographs of powerful ...

S/166/62/000/002/002/008
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and 2 tables.

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics
AS UzSSR)

SUBMITTED: December 1, 1961

Card 2/2

BUTOVSKAYA, Ye.M.; ZAKHAROVA, A.I.; ATABAYEV, Kh.A.; FLENOV, Yu.P.

Results of the application of specific hodographs for the
determination of the epicenters of some regions in Central Asia.
Izvestiya Sov. po seism. no.15:101-111 '63. (MIRA 17:4)

BUTOVSKAYA, Ye.M.; ZAKHAROVA, A.I.; IODKO, V.K.; FLENOVA, M.G.;
FLENOV, Yu.P.; RYZHKOV, O.A., doktor geol.-miner. nauk,
otv. red.; SHAFEYeva, K.A., red.

[Seismicity of Uzbekistan] Seismichnost' Uzbekistana.
[By] E.M.Butovskaia i dr. Tashkent, Izd-vo "Nauka,"
UzSSR. No.2. [Tashkent and Yuzhnyy seismic regions, the
central part of the Chatkal Range] Pritashkentskii i
IUzhnyi seismicheskie raiony, tsental'naia chast' Chatkal'-
skogo khrebta. 1964. 121 p. (MIRA 17:6)

[illegible]

BUTOVSKIY, A. F.

Korab, I. I. and Butovskii, A. F. (VNIS). "Most important results of a study of (sugar) beet nematodes Heterodera Schachtii Schmidt and of methods for their control. pp. 75-120

SO: Collection of Works on Nematodes of Agricultural Plants, Ed. by E. S. Kir'yanova, Gosizdat. Kolkhoz i Sovkhoz Lit., 1939, Moscow-Leningrad N/5

632.5

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BUTOVSKIY, A. P.
E4

Partial sterilization of beet-exhausted soils with chloropierin. I. I. Korab and A. P. Butovskiy. *Vsesoyuz. Nauch.-Issledovatel. Inst. Udobrenii i Agrokhemii im. G. I. Gerasimova, Primenenie Antiseptikov i Tsilyakh Povysheniya Urozhainosti* 1939, 135-73; *Khim. Referat. Zhur.* 1940, No. 7, 50.—Under the influence of chloropierin (200-600 l./ha.) the yield of sugar beets on nematode-infected soil increased from 52-9 to 250-348 quintals/ha. On sandy podsolized soils chloropierin decreased the yield by 13%, as compared with the control soils. On chernozem soils the yield increased from 123 to 174 quintals/ha. W. R. Henn

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

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БУТОВИЧ, А.И., Гидр. Физ. Сб. -- (diss) ^{Bart} "Bart" method
in controlling ~~the~~ ^{of} the *Curculionidae* harmful to ~~sugar~~ ^{Beluga Trout}
beet." Kiev, 1952, 12 p. (Inst. of Agr. USSR. ~~Beluga Trout~~
Agr. Inst.) 100 copies (KL, h2-56, 114)

- 18 -

ZHITKEVICH, Ye.N., starshiy nauchnyy sotrudnik; PETRUKHA, Ye.I., kand. biolog.nauk; POZHAR, Z.A., kand.sel'skokhoz.nauk; SHEVCHENKO, V.N., kand.sel'skokhoz.nauk; BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; GROMAKOV, P.M., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog [deceased]; MARKOV, F.I., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PUCHKOV, V.G., kand.biolog.nauk, spetsialist entomolog i fitopatolog; PALIY, V.F., doktor biolog.nauk, spetsialist entomolog i fitopatolog; POLEVOY, V.V., starshiy nauchnyy sotrudnik, spetsialist entomolog i fitopatolog; SHMELEVA, V.A., kand.biolog.nauk, spetsialist entomolog i fitopatolog; ZVEREZOMB-ZUBOVSKIY, Ye.V., prof., doktor sel'skokhoz.nauk; KORAB, I.I., prof., doktor sel'skokhoz.nauk; MOROCHKOVSKIY, S.F., prof., doktor biolog.nauk; MURAV'YEV, V.P., prof.; SALUNSKAYA, N.I., kand.biolog.nauk; SAVCHENKO, Ye.N., red.; ZUBAREV, A.S., khudozh.-tekh.n.red.

[Sugar beet growing] Sveklovodstvo. Izd.2., perer. i dop. Kiev, Gos.izd-vo sel'khoz.lit-ry USSR. Vol.3. Pt.1. [Sugar beet pests and their control] Vrediteli sakharnoi svekly i mery bor'by s nimi. Pt.2. [Sugar beet diseases and their control] Bolezni sakharnoi svekly i mery bor'by s nimi. 1959. 642 p. (MIRA 12:11)
(Continued on next card)

ZHITKEVICH, Ye.N.---(continued) Card 2.

1. Kiyev. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Zhitkevich, Petrukha, Pozhar, Shevchenko). 3. Uladovo-Lyulinetskaya opytno-selektsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Butovskiy). 4. Ivanovskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Gromakov). 5. Kurgizskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Markov, Polevoy). 6. Veselopodolyanskaya opytno-sel..stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Puchkov). 7. Ramonskaya opytno-selekts.stantsiya Vsesoyuzn.nauchno-issledov.instituta sakharnoy svekly (for Paliy). 8. Pervomayskaya opytno-selekts.stantsiya Vsesoyuznogo nauchno-issledov.instituta sakharnoy svekly (for Shmeleva). 9. Chleny-korresp. AN USSR (for Zverezomb-Zubovskiy, Murav'yev).
(Sugar beets--Diseases and pests)

BUTOVSKIY, A.P., starshiy nauchnyy sotrudnik; GRINEVICH, M.I., entomolog

Pea weevil control. Zashch.rast.ot vred.i bol. 4 no.3:34
My-Je '59. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly
(for Butovskiy). 2. Vinnitskoye sel'khozupravleniye (for Grinevich).
(Pea weevil)

BUTOVSKIY, A.P.

Effect of the physical condition of soil on the development of preimaginal stages of the sugar beet weevil (*Bothynoderes punctiventris* Gern.). Vop. ekol. 7:19-20 '62. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly, Kiev.
(Weevils) (Sugar beets--Diseases and pests) (Soil fauna)

BUTOVSKIY, B.G.

History of research on wild forage plants in Sakhalin. Trudy Sakh.
kompl. nauch.-issl. inst. AN SSSR no. 9:68-80 '60. (MIRA 14:4)
(Sakhalin--Forage plants)

BUTOVSKIY, G.K.

The determination of temperature by means of heat sensitive paints. G. K. Butovskiy. *Sred. Azia*, 1941, No. 2, 10-12; *Khim. Referat. Zhur.*, No. 9, 120 (1941). The color change of some paints at certain temp. change is discussed for the purpose of using them in thermal control. The paints are prepd. by adding synthetic resins dissolved in alk. to the color pigment.

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~~BUTOVSKIY, Georgiy Konstantinovich; SAVINOV, P., redaktor; BAUM, G., redaktor;~~
~~BRILLING, H.R., professor, redaktor; LUKASHEVICH, V., tekhnicheskiy~~
~~redaktor~~

[Automobiles; manual for first class chauffeurs and automobile
mechanics] Avtomobili; rukovodstvo dlia shoferov I klassa i avto-
mekhanikov. 2-e izd., ispr. i dop. [Saratov] Saratovskoe knizhnoe
izd-vo, 1955. 735 p. (MIRA 9:3)

1. Chlen-korrespondent Akademii nauk SSSR, (for Brillling)
(Automobiles)

SOV/124-58-5-5359

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 56 (USSR)

AUTHORS: Kuznetsov, R.G., Butovskiy, G.K., Raskin, A.M.

TITLE: On the Calculation of a Hydraulic Torque Converter of the Type Used in Automobiles (K raschetu gidrodinamicheskogo transformatora avtomobil'nogo tipa)

PERIODICAL: Sb. stud. nauchn. rabot. Saratovsk. avtomob.-dor. in-t, 1957, Nr 3, pp 33-45

ABSTRACT: A generalized account is given of the methods used for calculating hydraulic torque converters of the type used in automobiles. The authors explain how to determine the optimum dimensions of a hydraulic torque converter, i.e., those assuring maximum efficiency, and they include formulae for determining the required circulation, hydraulic drag losses, capacity for overcoming impacts, and efficiency. Bibliography; 7 references.

V.D. Sokolov

1. Automatic transmissions--Mathematical analysis

Card 1/1

BUTOVSKIY, G.K., kand.tekhn.nauk, dotsent; MASLOV, Yu.N., assistant

Graphoanalytic method for investigating the performance of an internal-
combustion engine by means of indicator diagrams. Izv.vys. ucheb.zav.;
mashinostr. no.3:118-123 '60. (MIRA 14:3)

1. Saratovskiy avtomobil'no-dorozhnyy institut.
(Gas and oil engines--Testing)

ACC NR: AR6028072

(A,N)

SOURCE CODE: UR/0124/66/000/005/B051/B051

AUTHORS: Bashkatov, Yu. N.; Butovskiy, I. S.

TITLE: Investigation of the heat transfer characteristics of a water-cooled combustion chamber

SOURCE: Ref. zh. Mekhanika, Abs. 5B312

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 2, 1965, 20-25

TOPIC TAGS: combustion chamber, heat transfer coefficient, flame tube, Reynolds number

ABSTRACT: The heat transfer characteristics of one section of a flame tube mounted in a large-scale model of a combustion chamber were considered. A regenerator was located after the combustion chamber. This permitted experiments with heated (to 300C), clean air. Each combustion chamber element had an individual air supply and was equipped with a regulating and a measuring system. The experiments were conducted at an essentially constant pressure of ≈ 1.25 bar, while changing the air temperature from 75--300C, the coefficient of excess air in the combustion zone from 1.1--8.0, and the exhaust velocity from the burner from 20--80 m/sec. The heat emission coefficient on the heating surface was determined in each experiment and was assumed to be approximately equal to the coefficient of heat transfer. The

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ACC NR: AR6028072

temperature distribution along the length of the combustion chamber was not investigated in detail. As can be seen from the graphs, the temperature of the wall layer in the investigated burner-flame tube section system depends on the degree of preheat and can reach 950--1050C. The Stanton criterion $S = \alpha / (\omega \rho c_p)$ was used as the determining heat transfer criterion in evaluating the experimental results. The results are represented adequately by the equation

$$S = \frac{1}{1 + 0.0136 R^{0.52} (0.12 \theta_1 / \theta_{CT}^2)^{0.52}}$$

where $\theta_1 = T_1 / T_0$ - relative temperature of the burning mixture; $\theta_{CT} = T_{CT} / T_0$ - relative wall temperature; R - Reynolds number. This equation can be used to evaluate the heat exchange in water-cooled combustion chambers in which no cooling fluid is introduced into the wall layers of the flame tube. Bibliography of 3 titles. Yu. Dvin [Translation of abstract]

SUB CODE: 20

Card 2/2

BUTOVSKIY, N.

BUTOVSKIY, N., inshener.

Hauling lumber on automobile log roads in Northern Ossetia.
Les.prom. 14 no.7:23-24 J1 '54. (MLBA 7:7)

1. Severo-Osetinskaya ASSR.
(Lumber--Transportation)

BUTOVSKIY, P.M.

~~COINCIDENCE OF PRINCIPAL ZOOGEOGRAPHIC BOUNDARIES WITH ISOLINES OF~~
Coincidence of principal zoogeographic boundaries with isolines of
first autumn frosts. Izv.AN Kazakh.SSR.Ser.zool. no.7:18-28 '48.
(MLRA 9:5)

(Zoogeography) (Frost)

BUTOVSKIY, P. M.

BUTOVSKIY, P. M. -- "Seasonal Changes in the Nutrition of the Small Siberian Marmot and the Nature of Its Distribution in Western Kazakhstan (on the Ecological Principles of Extermination Measures)." Acad Sci Kazakh SSR. Inst of Zoology. Alma-Ata. 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

BUTOVSKIY, P.M.; BEZUKLADNIKOVA, N.A.

Lice occurring on the vole *Ellobius talpinus* and experimental study
of their ability transmit trypanosomes. Trudy Inst. zool. AN Kazakh.
SSR 9:233-238 '58. (MIRA 11:7)

(Lice as carriers of disease) (Trypanosomiasis)
(Parasites--Field mice)

BUTOVSKIY, P. M. and NOVINSKAYA, V. F.

"Trypanosoma of Kazakhstan Marmots."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Zoology of the Kazakh Academy of Sciences, Alma Ata

BUTOVSKIY, P.M.

Seasonal changes in the feeding of the lesser suslik (*Citellus pygmaeus*) and characteristics of its distribution in western Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 13:18-36 '60. Trudy Inst. zool. AN Kazakh. SSR 13:18-36 '60. (MIRA 13:7)
(West Kazakhstan Province--Susliks)

PARASKIV, K.P. [deceased]; BUTOVSKIY, P.M.

Amphibian and reptile fauna of western Kazakhstan. Trudy Inst.
zool. AN Kazakh. SSR 13:148-159 '60. (MIRA 13:7)
(Kazakhstan--Amphibia)
(Kazakhstan--Reptiles)

NOVINSKAYA, V.F.; BUTOVSKIY, P.M.

Infection of susliks with Trypanosoma spermophili Laveran, 1911
in Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 14:24-28 '60.
(MIRA 13:12)

(Kazakhstan--Trypanosomiasis)
(Susliks--Diseases and pests)

BUTCVSKIY, P.M.

Censuring the abundance of birds along travel routes. Trudy Inst.
zool. AN Kazakh. SSR 24:217 '64.

Distribution and ecology of the desert lizard Ablepharus deserti.
Ibid.:218-219 (MIRA 17:12)

BUTOVSKIY, V.A.

BEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.; BUTOVSKIY,
V.A.; SLOVACHEK, M.A.; ANDRUSHCHUK, A.A.; STARTSEV, I.A.; PROTSEU, G.B.

Effect of schedule and feeding on development of infants from one to
three years of age. *Pediatrics*, Moskva no.6:18-25 Nov-Dec 1953.

(GLML 25:5)

1. Deceased for Butovskiy. 2. Of the Ukrainian Scientific-Research
Institute for the Care of Mother and Child imeni Hero of the Soviet
Union Prof. P. M. Buyko (Director -- M. D. Burova, Honored Physician
Ukrainian SSR) and the Ukrainian Scientific-Research Institute of
Nutrition (Director -- Candidate Medical Sciences A. T. Stovdun).

BUTOVSKIY, V.A.

HEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.;
~~BUTOVSKIY, V.A.~~; SLOVACHEK, M.A.; STARTSEV, I.A.; PROTSKO, G.N.

Effect of regimen and nutrition on the development of 3 to 7-
year old children. *Pediatrics* no.3:91 My-Je '54. (MLRA 8:1)

1. Iz ukrainskogo instituta okhrany materinstva i detstva i
Instituta pitaniya.

(CHILDREN--CARE AND HYGIENE)

(CHILDREN--NUTRITION)

BUTOVSKIY, V.A.; FEYGIN, Ye.A.; GIRSANOV, I.V.; PLATONOV, V.M.

Mathematical model of the pyrolysis process in tubular furnaces.
Khim. i tekhn. topl. i masel 10 no.10:1-5 0 '65. (MIRA 18:10)

1. NIISS i Moskovskiy gosudarstvennyy universitet im. Lomonosova.

L 19368-66 EWT(m)/EWP(j)/T WW/WE/RM

ACCESSION NR: AP5016028

UR/0065/64/000/010/0040/0043

AUTHOR: Barabanov, N. L.; Butovskiy, V. A.; Feygin, Ye. A.

TITLE: Designing a tubular reactor for the pyrolysis of straight-run gasoline on a computer

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 10, 1964, 40-43

TOPIC TAGS: petroleum industry, petroleum refinery equipment, gasoline, pyrolysis, computer

Abstract: In connection with a planned expansion of the petrochemical industry in the near future, ethylene, propylene, and other low olefins will be produced by pyrolysis (cracking) of low-octane straight-run gasoline in tubular reactors of the pipe-still type. Design of these reactors under consideration of the kinetics of chemical conversion of the mixture of substances present in gasoline, heat transfer, and dynamics of flow is extremely complex. A model is proposed on the basis of which the required design calculations can be carried out on a computer. It was established in connection with the development of the design procedure that the overall kinetics of decomposition of gasoline in the reactor correspond to an

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L 19368-66

ACCESSION NR: AP5016028

equation for the cracking of hydrocarbons proposed by A. I. Dintses and A. V. Frost, Dokl. Akad. Nauk SSSR, Vol. 3, No 7, 1934, p 510. To calculate the length of the pipe coil in the reactor, the temperatures of the gas mixture at the exit from the pipes were assumed to be in the range of 780-800°, 750-760°, and 730-735° for the production of ethylene, propylene, and butylene-butadiene, respectively, with the degree of conversion of the feed stock varying with the exact temperature at the exit. The effects of the addition of water vapor on the kinetics, yield of olefins, temperature, and the required length of tubing in the reactor were considered. It is held that the kinetics of the reaction, rather than heat transfer, constitute the limiting factor in the conversion. On the basis of the precision of laboratory experiments on which the design procedure is based, it is assumed that the precision of the calculations will be approximately $\pm 15\%$. Orig. art. has 10 formulas, 1 graph, and 1 table.

ASSOCIATION: NIISS

SUBMITTED: 00

ENCL: 00

SUB CODE: FB, GC

NO REF SOV: 006

OTHER: 001

JPRS

Card 2/2 60

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																													
BUTOVSKIY, V. F.										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
15																													
Improvement of the heavy soils in the Murgab Valley. V. Butovskii. <i>Pedology</i> (U. S. S. R.) 29, 802-19(1934).— Analytical data are presented on the solonchak and takyrs soils in Turkomen showing that the method of improve- ment consists in reducing the quantity of Na in the ex- change complex. Gypsum and S were found to be most effective. (NH₄)₂SO₄, NH₄NO₃, CaCN₂, and Ca(NO₃)₂ were also tried with less success. J. S. Joffe																													
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																													
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CA BUTOVSKIY, V.F.

The utilization of potassium salts as a means of decreasing the leaching of nitrogenous fertilizers from sandy soils. V. Butovskii. *Pochrovedenie* (Pedology) 1950, 482-9.—By using large quantities of KCl it was found possible to reduce the nitrification of NH_4 salts as well as that of green manure crops. The effect is due to the Cl ion and when it is leached, nitrification proceeds normally. J. S. Joffe

1951

BUTOVSKIY, V. F.

"Washing Out of Nitrogen Fertilizer and Some Methods for Decreasing Its Loss in Sandy Soil." Cand Agr Sci, Inst of Forestry, Acad Sci USSR, Moscow, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

BUTOVSKIIY, V. F.

Decreasing nitrogen losses of green manure by changing the crop rotation in the light soils of Polesie. V. F. Butovskii. *Visnik Akad. Nauk Ukr. R.S.R.* 27, 23-32 (1956).—The conservation of N of green manure in sandy and sandy loam soils in Polesie is made possible by ploughing under the green manure at the end of July or in the beginning of August for winter crops and in November for spring crops. By this method anaerobic decomposition and retardation of the formation of sol. nitrate take place and it can not be washed out from the upper layer soils. M. C.

USSR / Cultivated Plants. Fodder Crops.

M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58654

Author : Butovskiy, V. F.

Inst : Polesskaya Experimental Station

Title : A New Method of Growing Lupine as a Green Fertilizer

Orig Pub : Byul. sil's'kogospod. inform. Zhitom. obl. vid. t-va
dlya poshir. polit. ta nauk. znan'., 1957, No 3, 54-57

Abstract : It was established at Polesskaya experimental station, 1953-1954, that plowing crops such as potatoes, plants with edible roots, and corn are good preceding crops for the growth of lupine for purposes of obtaining seeds on sandy soils. The treatment of lupine seeds by nitragin increases the yield of green mass by 50-70 cwt. The yield of seeds increases by 2-3 cwt/ha. In order to prevent a speedy mineralization of nitrogen, it is recommended to carry out the tillage of lupine as a green fertilizer in

Card 1/2

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BUTOVSKIY, V.F., kand.sel'skokhozyaystvennykh nauk

Increasing the productivity of crop rotations on light soils in
Polesye. Zemledelie 24 no.8:17-22 Ag '62. (MIRA 15:9)

1. Polesskaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Polesye--Rotation of crops)

L 24832-66 EWT(d)/FSS-2/EWT(1)/EWA(h)

ACC NR: AP6004987

SOURCE CODE: UR/0406/65/001/001/0080/0087

AUTHOR: Butrimenko, A. V.

ORG: None

TITLE: A search system for optimal information transmission lines

SOURCE: Problemy peredachi informatsii, v. 1, no. 1, 1965, 80-87

TOPIC TAGS: reliability engineering, information transmission channel, communication channel

ABSTRACT: In an earlier work, one of the present authors (A. V. Butrimenko. O poiske optimal'nykh putey po izmenyayushchemusya grafu. Izv. AN SSSR, Tekhnicheskaya kibernetika, 1964, 6, 3-27) described a procedure for organizing control of communications lines in a network, permitting the use of decentralized control. In such a system, the control is executed locally and the computing equipment is distributed in individual switching units, which raises the reliability and the "lifetime" of the network. In the present article, the authors describe a variation of the technical realization of the control method presented in the earlier work. It is noted that the method proposed is investigated with the assumption that the number of transits is the criterion of the optimality of an information transmission line. However, when there is another criterion of the optimality of the channel, this method requires no substantial modifications. Orig. art. has: 7 formulas.

SUB CODE: 17 / SUBM DATE: 25Jul64 / ORIG REF: 003 UDC: 621. 391. 18

Card 1/100